	L #	Hits	Search Text	DBs
1	L1	412	(("204/298.12") or ("204/298.13")).CCLS.	USPAT; USOCR
2	L2	390	1 not (taper or tapered)	USPAT; USOCR
3	L3	22	1 not 2	USPAT; USOCR
4	L4	694	(("204/298.12") or ("204/298.13")).CCLS.	USOCR; EPO; JPO; Derwent; IBM TDB
5	L5	690	4 not (taper or tapered)	USOCR; EPO; JPO; Derwent; IBM TDB
6	L6	4	4 not 5	USOCR; EPO; JPO; Derwent; IBM TDB
7	L7	411	1 not (concave? or (bell near4 shape$2))	USPAT; USOCR
8	L8	1	1 not 7	USPAT; USOCR

Search Results -

Terms	Documents
gruenenfelder-pius$.in.	13

Database: US Patents Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Refine Search: gruenenfelder-pius$.in. Clear

Search History

Today's Date: 12/27/2000

DB Name	Query	Hit Count	Set Name
USPT,JPAB,EPAB,DWPI,TDBD	gruenenfelder-pius$.in.	13	L8
USPT,JPAB,EPAB,DWPI,TDBD	gruenenfelder.in.	54	L7
JPAB	gruenenfelder.in.	5	L6
JPAB	l1 and (taper or tapered or concave? or (bell near5 shape?)).ab.	11	L5
JPAB,EPAB,DWPI,TDBD	l1 and (taper or tapered or concave? or (bell near5 shape?)).ab.	36	L4
USPT,JPAB,EPAB,DWPI,TDBD	l1 and (taper or tapered or concave? or (bell near5 shape?)).ab.	40	L3
USPT,JPAB,EPAB,DWPI,TDBD	1 and (taper or tapered or concave? or (bell near5 shape?)).ab.	113747	L2
DWPI,USPT,EPAB,JPAB,TDBD	(sputter$3 and target).ti.	6637	L1

APS SEARCH FIELD FOR APP #08/920331

```
=> activate

ENTER NAME OF SAVED ITEM TO ACTIVATE OR (END):saveall

'SAVEALL' MUST END IN '/Q', '/A', OR '/L'
ENTER NAME OF SAVED ITEM TO ACTIVATE OR (END):saveall/l

L1  (     41885)SEA FILE=USPAT SPUTTE?
L2  (        72)SEA FILE=USPAT L1 AND ANNULAR(W)TARGE?
L3  (         0)SEA FILE=USPAT L2 AND MIRROR-SYMMETRICAL
L4  (        47)SEA FILE=USPAT L2 AND CIRCULAR
L5  (       212)SEA FILE=USPAT L4 AND CAVITY OR PROCESS(W)SPACE
L6  (    197001)SEA FILE=USPAT CAVITY OR (PROCESS SPACE)
L7  (         3)SEA FILE=USPAT L2 AND TAPER
L8  (         0)SEA FILE=USPAT L2 AND TARGET(W)RADIUS

=> s l1 and receiving(w)ring

        41968 SPUTTE?
       678856 RECEIVING
       466828 RING
          430 RECEIVING(W)RING
L9          5 L1 AND RECEIVING(W)RING

=> d ab 1-


US PAT NO:      5,688,381 [IMAGE AVAILABLE]            L9: 1 of 5

ABSTRACT:
For optimizing the yield of atomized-off material on a magnetron
atomization source, a process space, on the source side, is predominantly
walled by the atomization surface of the target body. The magnetron
atomization source has a target body with a mirror-symmetrical, concavely
constructed atomization surface with respect to at least one plane and a
magnetic circuit arrangement operable to generate a magnetic field over
the atomization surface. The magnetic circuit arrangement includes an
anode arrangement, a receiving frame which extends around an edge of the
target body and is electrically insulated with respect thereto. The
receiving frame has a receiving opening for at least one workpiece to be
coated. The magnetron source can be used to provide storage disks, such
as CDs, with an atomization coating.

US PAT NO:      5,625,239 [IMAGE AVAILABLE]            L9: 2 of 5

ABSTRACT:
An apparatus for sensing the relative rotational position between a
stator (28) and a rotor (32) in a variable reluctance motor (26) includes
a transmitting ring (40) mounted to the rotor (32) and having a
transmitting coil (46) mounted thereon. A receiving ring (42) is
mounted to stator (46) and has a receiving coil (56) mounted thereon. The
receiving coil includes three conductor patterns (56a, 56b, 56c) having
the same shape, each of said conductor patterns being electrically
insulated from each other, and each conductor pattern being offset from
adjacent conductor patterns by 120 electrical degrees. A drive signal is
coupled to the transmitting coil. The apparatus further includes a
controller (76) for monitoring the outputs from the receiving coil
```

patterns and for determining the relative rotation between the rotor and the stator from the monitored outputs. The receiving coil patterns are each arranged in a circumferentially varying square wave pattern.

US PAT NO: 5,623,409 [IMAGE AVAILABLE] L9: 3 of 5

ABSTRACT:
An electric assist steering system (10) comprises a steering torque sensor (110) and an electric assist variable reluctance motor (26) operatively connected to a steering member (20). A motor control signal is provided in response to a value of the torque signal for control of the assist motor. A motor velocity sensor (200) senses velocity of the power assist motor and a vehicle speed sensor (119) senses the vehicle speed. A control circuit (220, 210, 142) modifies the motor control signal in response to the sensed motor velocity and the sensed vehicle speed signal so as to provide non-linear damping of the motor for vehicle yaw rate control.

US PAT NO: 5,124,019 [IMAGE AVAILABLE] L9: 4 of 5

ABSTRACT:
A lens holder, particularly for eyeglass lenses to be coated in a high-vacuum vapor deposition or **sputtering** system, is formed as a ring pair. The ring pair is connectable to a substrate holder that is mounted in the process chamber of the high-vacuum system in the proximity of a coating source. The lens can be placed between the rings of the ring pair, which are secured to one another by resilient wires. An outer surface of a first ring is provided with ramps that interact with resilient wires that are secured to the outer surface of a second ring. One of the rings includes two diametrically opposite pegs which serve to pivotably mount the lens holder in bearing forks mounted on the substrate holder. The lens holder is capable of 180.degree. of rotation.

US PAT NO: 5,026,469 [IMAGE AVAILABLE] L9: 5 of 5

ABSTRACT:
An apparatus for holding and turning lenses, particularly for eyeglass lenses to be coated in a high-vacuum vapor deposition or **sputtering** system. A ring pair carrying the lens to be held is seated on a substrate holder in the process chamber of the high-vacuum system. The substrate holder is a sheet metal part shaped like a half shell, and is rotatable about a vertical axis. A sickle shaped sheet metal blank forms a rake that partially overlaps the substrate holder. The rake is held and guided by a guide ring that is displaceable in the direction of the rotational axis of the substrate holder. The rake is displaceable by a lifting element of a lifting motor secured to the wall of the chamber. The rake includes individual tines having lower edges facing toward the substrate carrier. The tines engage pinions or gear wheels on the individual lens holders. The lens holders are mounted to the substrate via pegs, which allow the lens holders to pivot 180.degree.. The lens holders are pivoted by rotating the substrate holder after the lifting mechanism has lowered the rake, thus permitting engagement between the tines of the rake and the gears or pinions.

```
=> s l1 and shield

         41968 SPUTTE?
         78989 SHIELD
L10       3663 L1 AND SHIELD

=> s l2 and insulat?

         41968 SPUTTE?
        309256 ANNULAR
        118372 TARGE?
```

```
          158 ANNULAR(W)TARGE?
       300899 INSULAT?
L11         49 L2 AND INSULAT?

=>s l10 and insulat?

       300899 INSULAT?
L12       2569 L10 AND INSULAT?

=> s l12 and ring(w)segments

       466828 RING
       140791 SEGMENTS
         1977 RING(W)SEGMENTS
```